

1 **LISTING OF CLAIMS**

2 1. (Currently Amended) In an interactive operating environment that
3 ~~accepts a command string, the command string including a plurality of strings, a~~
4 computer readable medium having computer executable instructions, the
5 instructions comprising:

6 receiving ~~a command string~~ the plurality of strings;

7 separating the command string into one or more string components; and

8 for any string component that is partially unresolved, initiating an operating
9 environment mechanism of the interactive operating environment for analyzing
10 the partially unresolved string to completely resolve the string into an associated
11 type of object.

12 2. (Original) The computer readable medium of claim 1, wherein the
13 unresolved string is associated with a first data type and the mechanism comprises
14 looking up a conversion for converting the first data type to another data type.

15 3. (Original) The computer readable medium of claim 1, wherein the
16 unresolved string is associated with a data type that is not natively supported by
17 the operating environment, the mechanism comprises retrieving extended
18 information that defines the data type and creating an instance of the data type.

19 4. (Original) The computer readable medium of claim 3, wherein the
20 extended information comprises extended metadata and code, the extended
21 metadata describes the data type and the code comprises additional instructions to
22 populate the instance of the data type.

23 5. (Original) The computer readable medium of claim 1, wherein the
24 unresolved string includes a wildcard and the mechanism comprises resolving the
25 string based on the wildcard.

1 6. (Original) The computer readable medium of claim 1, wherein the
2 unresolved string includes a property set and the mechanism comprises identifying
3 a plurality of properties associated with the property set and performing
4 subsequent processing associated with the command string using the plurality of
5 properties.

6 7. (Original) The computer readable medium of claim 1, wherein the
7 unresolved string includes a relation and the mechanism comprises querying an
8 ontology service for information based on the relation.

9 8. (Original) The computer readable medium of claim 1, wherein the
10 unresolved string comprises a property path, the property path comprises a series
11 of components that provide navigation to a desired property.

12 9. (Original) The computer readable medium of claim 8, wherein the
13 mechanism performs a look-up to resolve each component.

14 10. (Original) The computer readable medium of claim 9, wherein each
15 component comprises a property for an associated object, a method for the
16 associated object, a field for the associated object, a third party property, or a third
17 party method.

18 11. (Original) The computer readable medium of claim 10, wherein the
19 associated object comprises an object associated with a preceding component.

20 12. (Original) The computer readable medium of claim 9, wherein the
21 look-up comprises a priority based look-up.

22 13. (Original) The computer readable medium of claim 8, wherein a
23 component comprises a reference to registered code.
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1 14. (Original) A computer readable medium having computer
2 executable instructions, the instructions comprising:

3 receiving parseable input via an operating environment, the parseable input
4 including content that uses a data type that is not natively supported by the
5 operating environment;

6 retrieving extended information that defines the data type; and

7 creating an instance of the data type.

8 15. (Original) The computer readable medium of claim 14, wherein the
9 parseable input comprises a Windows Management Instrumentation (WMI) input,
10 an ActiveX Data Object (ADO) input, an XML input, or a third party data format.

11 16. (Original) The computer readable medium of claim 14, wherein the
12 extended information comprises extended metadata and code, the extended
13 metadata describes the data type and the code comprises additional instructions to
14 populate the instance of the data type.

15 17. (Original) The computer readable medium of claim 14, wherein the
16 parseable input comprises a third party object that provides an additional property
17 to an object supported natively within the operating environment.

18 18. (Original) The computer readable medium of claim 14, wherein the
19 parseable input comprises an ontology service.
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2 19. (Original) A system that extends data types available to an operating
3 environment, the system comprising:

4 a processor; and

5 a memory, the memory being allocated for a plurality of computer-
6 executable instructions which are loaded into the memory for execution by the
7 processor, the computer-executable instructions comprising:

8 receiving parseable input via an operating environment, the parseable input
9 including content that uses a data type that is not natively supported by the
10 operating environment;

11 retrieving extended information that defines the data type; and

12 creating an instance of the data type.

13 20. (Original) The system of claim 19, wherein the parseable input
14 comprises a Windows Management Instrumentation (WMI) input, an ActiveX
15 Data Object (ADO) input, an XML input, or a third party data format.

16 21. (Original) The system of claim 19, wherein the extended
17 information comprises extended metadata and code, the extended metadata
18 describes the data type and the code comprises additional instructions to populate
19 the instance of the data type.

20 22. (Original) The system of claim 19, wherein the parseable input
21 comprises a third party object that provides an additional property to an object
22 supported natively within the operating environment.

23 23. (Original) The sytem of claim 19, wherein the parseable input
24 comprises an ontology service.

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